



URBAN AIR MOBILITY PREPARING FOR THE FUTURE

JASON DAVIS

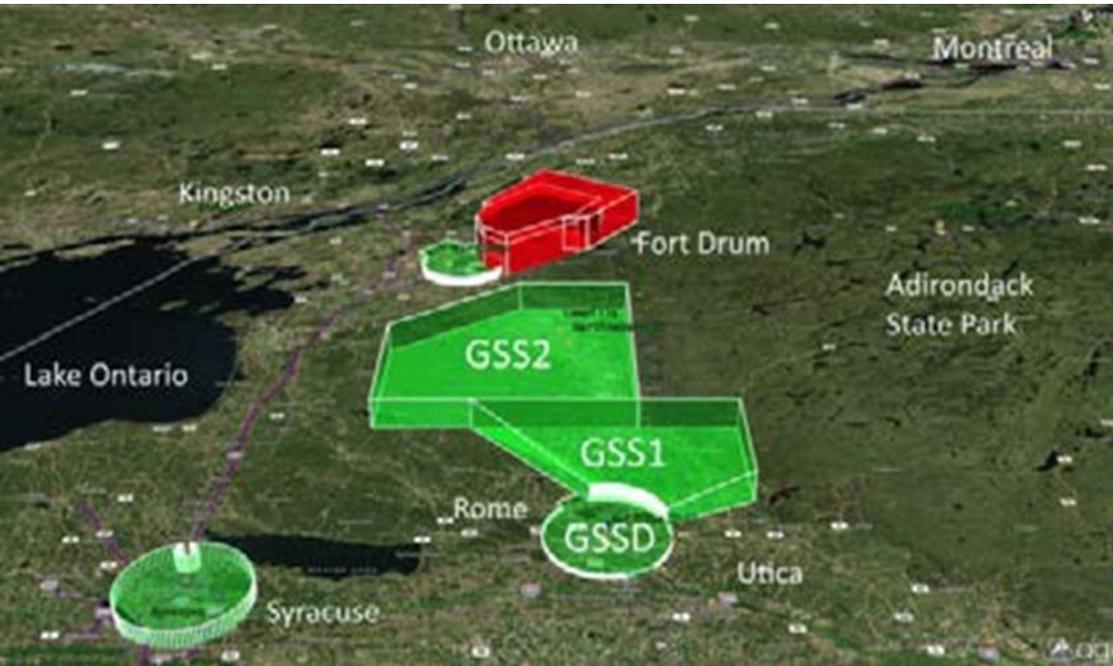
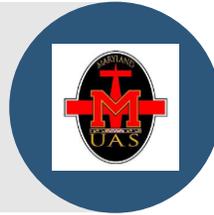
DEPUTY DIRECTOR, UDOT

Drone Logistics and Delivery



Drone Uses in Other States

MARYLAND TRANSPORTED
FIRST DRONE DELIVERED
ORGANS



RENO, Nevada

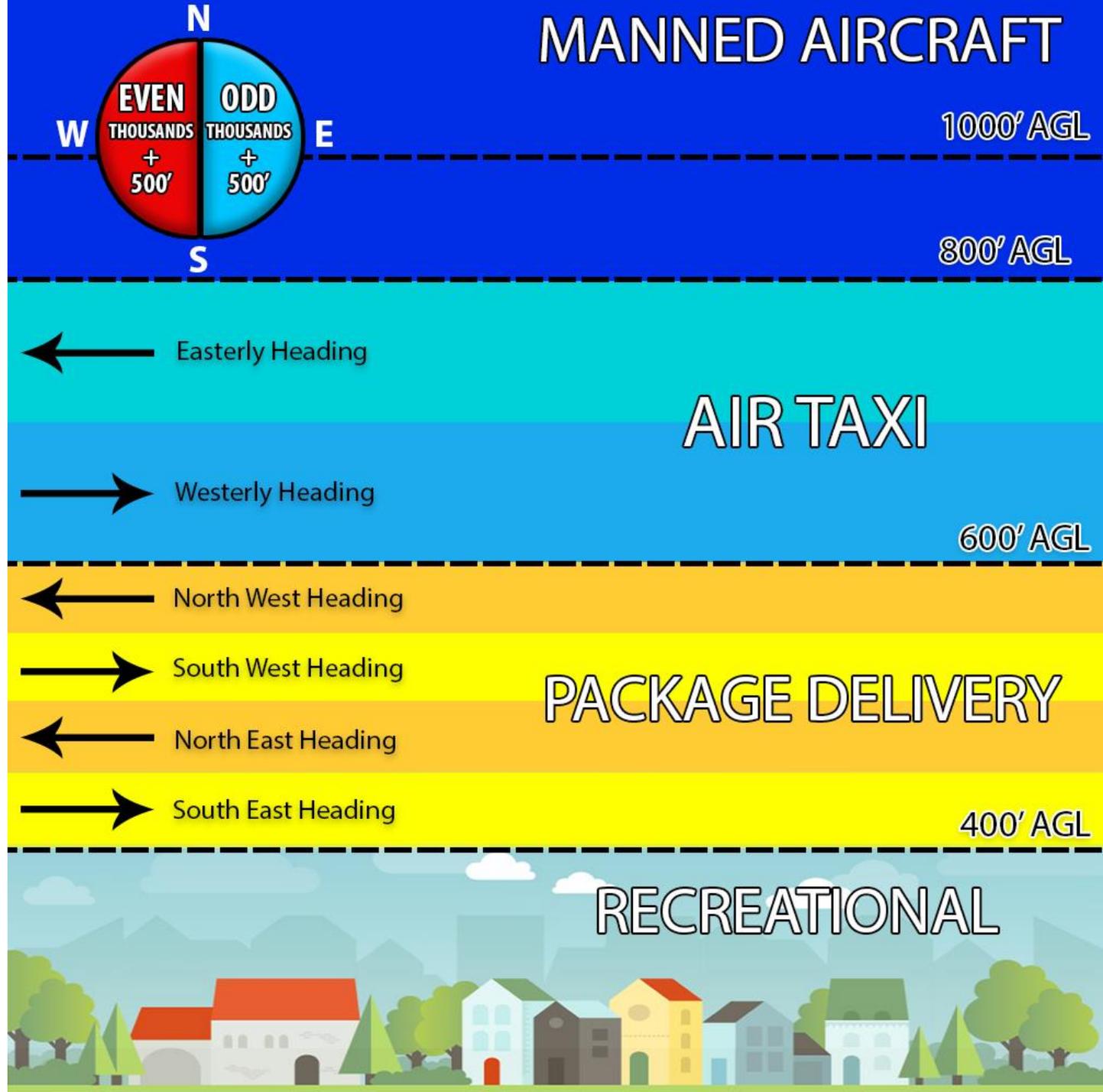
7-Eleven beats Google and Amazon to the first regular commercial drone delivery service in the U.S.



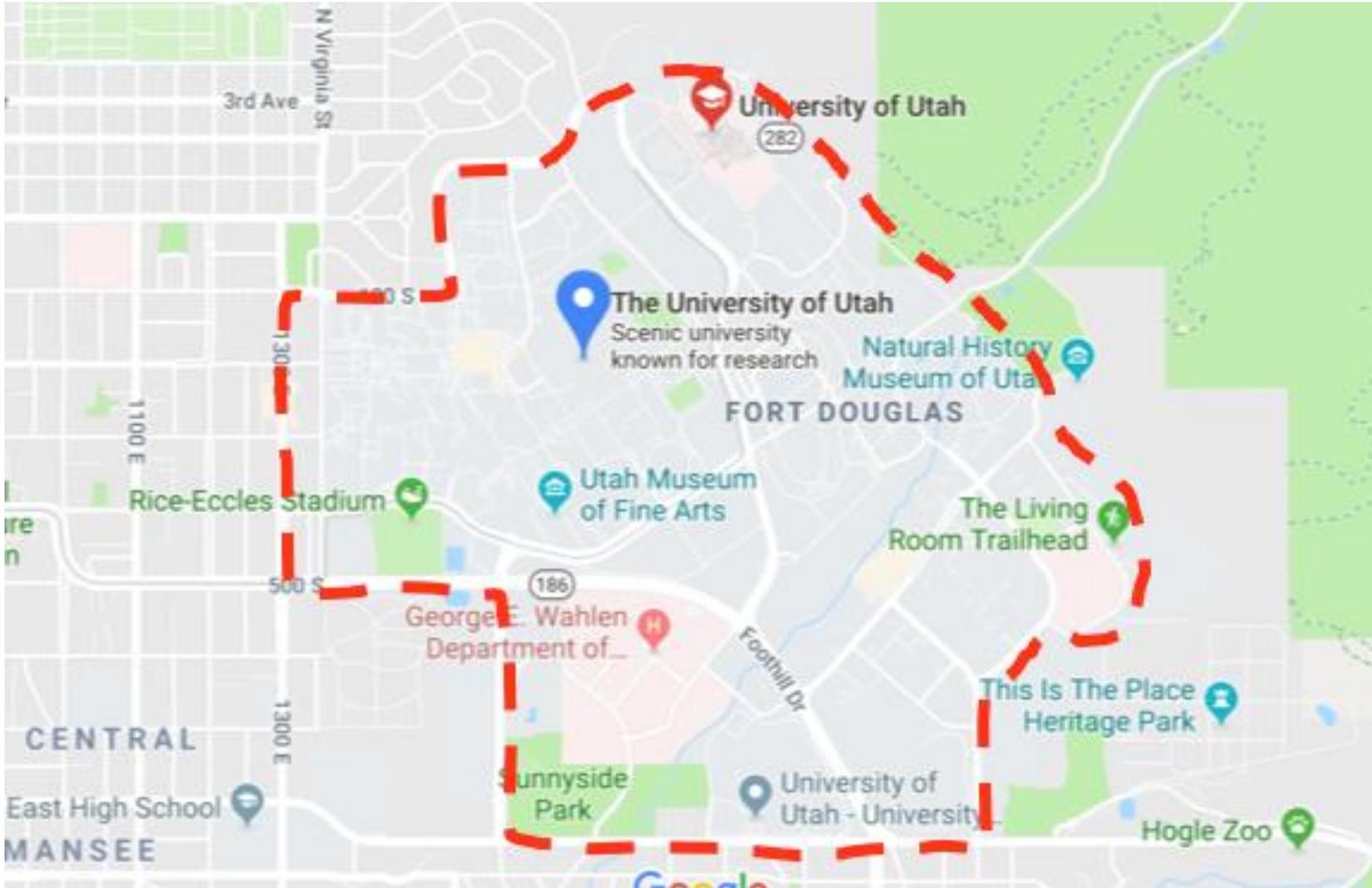
UPS DELIVERS MEDICAL
SUPPLIES VIA DRONE IN NORTH
CAROLINA

Highways in the Sky

- Utilize current transportation corridors for improved delivery services
- Assigned altitudes by direction of flight
- Address noise mitigation and privacy concerns



University of Utah Drone Delivery



University of Utah Drone Delivery



University of Utah Drone Delivery Proposed Routes

- University Hospital (UH) to Huntsman Cancer – 1,000 ft. distance
- Radiology to UH – 1.1 mile distance
- Investigational Drug Service (IDS) to Center for Clinical and Translational Science – 1.3 miles distance
- Cell Therapy and Regenerative Medicine (CTRM) to various buildings: varying distances between .6 miles to 2.2 miles



Proposed Infrastructure Support

Hardware/Software	Cost
GPS-RTK	\$95,000 (supplemental cost)
RWIS	\$50,000
DSRC (Mario Capecchi Dr.)	\$25,000
Fortem Radar Systems (Subscription for 3 years)	\$600,000
Advanced Wireless Platforms	\$250,000
Computer Hardware Systems	\$15,500
Public Outreach	
U of U Framework Development	\$150,000
UTM Airspace Management System	\$750,000

Weather



5G



Fortem Radar System



